

section that furnished
the stone implements
for the rest of the State.
Hope to be successful
in exploring the places before
mentioned as they are reported
to contain mounds and are
in the wooded section with

streams of water are access-
able and I have letters to
parties living there. It is
now cooler so can work
to advantage. If you
could have funds ready
for the Mexican trip by
the time I finish in
Texas say December by which
time hope to get together the
botanical funds. My
Regards to Miss Smith and
all your children, hope
your health is restored
and that the Taratoga

1879
Rev 1942

San Antonio
Texas Sep 25

Prof Putnam

My dear Sir

I have
delayed writing again
until I could present
some comprehensive
plan of operation.

It has now become cooler
and danger of yellow fever
and epidemic small pox
raging about, has lessened
so on the 27 will leave
this place having found
but slight traces of ancient
Indian occupation though
have gone over a wide
scope of country which
is not adapted for Indian

occupancy. My plans
are these, and I do not
see that any more fee-
sable ones could be
formed. I go from here
in two days to New Br-
amlet - then to Austin
important places are
told for ruins, then to
Longview section after
which will work tow-
ards Indianola, then
take the steamer from
that place for Mata-
moras Mexico so as to get
into northern Mexico.
after finishing in that
section return to Texas
by way of El Paso so
as to explore northern
Texas. This is I hope plain
comprehensive plan

and I hope can be car-
ried out. As it covers not
only that portion of Texas
likely to contain mounds
but takes in the northern
States of Mexico - I have
procured a letter from a
gentleman that lived a
long time in Mexico near
the celebrated caves men-
tioned by Bancroft that
contain so many human
remains, heard of this cave
while in Mexico not^{tho} having
a letter to the owner of the
caves which can be reached.
This letter is of great value.
The section about San
Antoni has proved unprofitable
for Indian remains but
there is every reason to
believe that it was the

places proposed to
visit - Indianola
may be a good place
for shell heaps as it is
on the ocean have a
letter to a gentle man
living there - It will
be a good place to start
from for Mexico and
returning so as to visit
the Rio Grande about
El Paso - and the count
ry about fort Boneho
northern Texas which
is said to contain mounds
hope my plan meets
your approbation
very truly yours
Edward Palmer

you had better direct to
me at Longview Texas
then it will not miss me.

meeting was a success ~~and~~

Though I have not sent
you any thing yet it is
because the San Antonio
section yielded nothing
~~and~~ the hot weather
and fear of yellow fever
with Epidemic Small pox
so prevalent has caused
me to stay here untill
now that the cool season
is setting in and I go to the
profitable field of Texas
for Indian mounds if
there is butch to be found
be assured I will hunt
them out ~~if to be found~~
and do my best to get the
treasures and let you know
the result at once
Have positive proof of
mounds in many of the

Taltillo Mexico March 21-1880

Prof Lorenzo Watson

or G. L. Goodale

Gentlemen

I write to say that
thus far my journey has been successfully performed.
I sent from Monterrey 3 packages of plants by
mail which I hope will arrive safe that they may be
at once planted.

Before leaving Monterrey I turned over for
shipment to Matamoros in care of A. M. Enhard
a merchant of that place four boxes two con-
taining live plants and two botanical specimens.

This letter is addressed to both so that in case one
is absent the other can open the letter and care for
the plants on their arrival.

The live plants consist of many fine varieties of cacti.
some plants of a long smooth elastic leaved agave
not seen by me before the leaf cut like rubber. there
is also several plants of various sizes of that
new superb agave *Pictoria regia* one full grown
and that will I think bloom this summer as it so
show signs. It is the finest of all agaves for cultiva-
tion. It grows in elevated dry gravelly ridges, by
putting this plant in a large pot or tub and plung-
ing in the ground this summer should it bloom late
could be taken in the greenhouse to mature its flowers
and seeds. In one of the boxes of dried plants (the small
one) is to be found a small package marked for Prof
Allen of the Museum of Comparative Zoology. There
is also a box marked for Dr. Engelmann please
put this in another box and send to him. as it is
now not very strong & its contents valuable. You

will find ^a box marked Seeds botanical garden
Among them will be found a large paper of seeds of
that new Agave so marked. in the same box
is some leaves containing scale bugs and there is
some butterfly cacoons please give these to Mr.
Hargan of the Museum of Comparative Zoology
There is one package marked my own private
property please put this safe aside until my
return. You can tell the boxes of dry plants as
they are the newest, ones the smallest the other
the longest. Commence hear at once go out to the
to the mountains to morrow have a prospect
of sending you another shipment from this
place before leaving this place which will be in
a month I go next to Parras Estado Coahuila
Mexico. to which place address me should you
desire to do so. and it will be my pleasure to hear
from you. My best wishes to you both and
to Prof Gray and Harlow. Allow me to remain
Yours truly

Edward Palmer.

P. S. the Boxes will be shipped from Matamoras
either to Galveston or to New Orleans thence
by rail so give direction to Loring Express
to look out for them by the different lines of
freight. yours E.P.

Saltillo Mexico

Apr 19 - 1880

Prof Watson or Goodale

I write to say
that I have this day turned
over for shipment to the
Botanical Garden one
large box the lower half
of which is dried plants woods
&c please put them with the
other part of my collection. if the
bundles are not sufficiently tight
please tighten them. there is
a package for Prof Allen
please send it over to him - a
small package of my own take care
of it. The ~~lower part~~ of upper
part of the box contain live
plants a nice assortment hope
they will arrive safe and grow

This is so dry a section
though surrounded by mountains
that but few plants are in bloom.
In July the rainy season com-
mences then there will be many
choice things to be had, so I shall
leave this place to-morrow for
Parras a county not depending
upon rains returning here in
July after finishing will go to the
mountains that surround Mon-
terrey and Monterrey return-
ing into Texas in October to col-
lect about Fort Clark a
fine locality. Cannot write
more a bad finger prevents. cactus
spine run in to the bone. inclosed
is a package of seed belonging to the
last plants sent by mail.

My best wishes to you all
Yours truly
Edward Palmer.

UNION POSTALE UNIVERSELLE
MEXIQUE.
UNION POSTAL UNIVERSAL MEXICO.

DE VOTRE

To the
Director of the Botanical Garden
Cambridge
E. U. del Norte, Mass.



San Pedro Mexico May 21

(1880)

I send by mail a package of fern leaves
which may have spores for planting

and a package of roots from a very
interesting plant for border cultivation
Will return to Saltillo in a few days

It is so dry in this section one hundred miles
S. W. from Parras that have found but
little in the plant line.

Yours truly

Edward Palmer

San Antonio Texas
Oct 15

Dear Sir

I reached here
a few days since.

As you will
see by bill of Lading four boxes
of plants have been shipped
marked Botanical Garden
Cambridge Mass. The three
boxes closed up please retain
unopened untill my return

The long box with flat
top & bottom you can open
sufficient to take out the
live rooted plants for planting
if any dead leaves are taken
off save them for the Botani-
cal specimens. The Agave
Letchuquilla is intended for
the Botanical collection unless
they ^{are} desired for planting over

Take contents out carefully
save the² balance of contents
(loose seeds pods of Agave
and Yucca) There is some
packages of Indian articles
will overhaul the mass as
soon as I reach Cambridge
which will be soon, have a
little more to do in Texas.
which I start to day to com-
plete then will return
via Saint Louis to see
Engelmann.

Am not in very good
health owing to an attack
of fever on the road from
Mexico. hope to improve
as the northern atmosphere
is reached

Yours truly
Edward Palmer.

New Port Tennessee

July 20

Dear Watson

I send to day
directed to you a box by mail
containing a plant that grows
among shady rocks also some
lilly roots that grew by ~~some~~
~~in~~ ~~the~~ ~~city~~ Luffy Creek
Jackson County North Carolina
a very mountainous section
this lilly is a free bloomer and
more showy than any Tiger I
have seen no lilly like
it for beauty or for number
of blooms they were obtained
on my visit to the Indians
of North Carolina a few
days since

It is so hot at this place
that it is difficult to write.

As I shall move from
this place soon. my next
address will be Greeneville
Tennessee

My regards to Prof Goodall
and to Mr. Forkner

Yours Truly
Edward Palmer

Greeneville Tennessee
July 28-1881

Dear Watson

Yours of Jul 25.

Just to hand. I arrived at this place to day. glad you received the Lilley's hope they will grow

The draft from M. Boissier I will try to get cashed to morrow there is no bank at this place I may be able to trade it to some one doing business in New York. As to Sir John Hooker set do what you think is fair he could not go to Mexico and collect for the price he mentions nevertheless for harmony sake

should you approve please
write him he can have them
at his suggested price. it is not
^{my} wish to ask an unfair price. to
be sure they are not named and as
it is hoped he will name his set so
that the other purchasers can name
theirs Sir Joseph Hooker may think
his price (\$750) per hundred
sufficient.

Have not made any wonderful
discoveries in opening mounds yet
it is harvest time and hands are
not to be had to work

Have several magnificent
mounds to open hope to commence
in a day

My best wishes to you all
Many thanks for the gift

Hope your garden is doing well
Yours very truly
Edward Palmer.

Dandridge. Tenn Sep 2

Dear Watson

Yours of Aug 17 was forwarded from Greeneville to me at this place.

I have endorsed the draft as you suggest and returned it that you may get back the money you advanced. You can send the balance in check on New York this I can get cashed at Knoxville Tenn. at which place hope to be in a few days.

I was successful the other day in opening a mound full of human remains. And have three more mounds at this place to open.

Dr Goodale wil sail at a good season hope he wil have a good time

It has been unusually hot and dry and crops are much dried up

Yours very truly

Edward Palmer

Direct to me at Knoxville

Tennessee

You had better erase from your envelope the words if not delivered within 5 days to return &c then it will be kept at the post office untill called for

Marion McKim

Jan 12, 1882

Dear Watson

There have been silents -
some time, have waited that
I might be able to say what my
future plans are. I am not
yet certain. Baird last in-
timated he hoped to keep me in
the field, I have written him to
inform me of it. Since as another
party has made me an offer and
should I fail in both, may
make a two years trip from
Yungas Mexico to the
Mountains of Chiapas
Mexico for the plants of those
elevated mountains. If you
^{have} an opportunity please sell

the rest of my Mexican
sets of plants at the price
you consider just.

If you have received the
money from Rev Gardner or
Sir John Hooker please for-
ward it to my brother by check
in his name so he can cash
it, and let me know the
Amount. Have the London
party worked up the Mexican plants
of my collection and with what
result. Have any of the live
plants turned out of special
interest did Mr. Farkner receive
many of the Mexican seeds
especially that little blue plant
(now) somewhat like poppy - he not
The winter is so mild grass
is still green only one frost with
a half inch of ice, no snow but
on the rain - day after day nothing
else which impedes my work very

much - have made a fair
collection. Bird expresses
great satisfaction with my
work and proposes should be
able to continue me in the field
he proposes that I use my own
judgment as to the locality so
may be in time, can reach the
hounds of central Alabama of
which you spoke about.

A few days since saw some
dwarf palms that must be some-
what hardy as some winters the
ground froze hard they may only
require a little covering with
your climate at the time could
not forward you any, but should
some need any more will try
and send you some.

Come is B. Goodale - B. Gray
Mr. Farkner yourself and all
Cambridge friends.
It is somewhat difficult

to tell the spot a letter will
catch up with me but you
may venture and address me
at Helena

Phillips County

Arkansas

Yours Respectfully
Edward Palmer.

Washington July 27

Dear Watson

Returned to this city to put last years work in shape - Found some good things in Tennessee this spring.

In a few days start for Indiana to hunt for mounds this summer. Next winter it is proposed to send me south either to Alabama or Mississippi or both.

I write so you may know am yet alive hope your garden is in good condition and that you have been enabled to build new houses for your plants.

Anything new among your plants or any questions you may wish to ask me

My regards to Prof Gray and Goodale
Yours truly

Edward Palmer

National Museum
Washington City
D. C.

Washington Aug 4

Dear Watson

As I am yet for a few days detained before starting for Indiana decided to follow your advice, advertise the sets of Tex & Mexican Plants in Torrey Bulletin & Coulter's Gazette please inform me how many sets there are how many species in each set, and the price per hundred you think is reasonable. Then I will send the advertisement to each of the above - How long would you keep the advertisement in.

Can I state the sets are in your possession that you will deliver them and will you receive the money as I am so shifting about especially for the next few months

Yours Very truly

Edward Palmer

National Museum

For Sale.

Sets 11, 12 and 13, of my collections (1879-80) in Southeastern Texas and Mexico. They contain about 770, 725 and 650 species, respectively, ^{names on card to be sent - besides} ~~together with~~ about 100 duplicate numbers, ^{mostly} from different localities. Price \$50, 75 and 70 dollars, each. Application may be made to Fernald Watson, Cambridge, Mass., who will forward the packages as ^{requested} ~~desired~~ and ^{to whom} ~~receive the~~ payment ~~for~~ ~~them~~ may be made.

Edward Palmer.

sent to Bor. Gazette }
Zooey Bulletin } Sept 9/02
Amer. Naturalist }

with \$1.00 to each.

In Kansaw City, Desha County
Arkansaw Dec 1

Dear Watson

Yours of Nov 10 forwarded from Washington. Many thanks for looking after my plants. The money in your hands please forward by Postal Order to me at Arkansaw City Desha County Arkansaw. There is no bank in the place to sell check.

Winter has made its appearance with a slight frost yet but few leaves have fallen hope it will be a mild winter as I have a number of mounds yet to open and wish to get through by January then to go to the region round New Orleans for the rest of the winter, to return to Washing

in March - to prepare report
and arrange collections
made. I am desirous to
go to Mexico or Arizona
next spring to finish some
collections there.

Saw by the papers one of
your Aqaves Victoria Regia
bloomed.

Hope your garden is
in good order. That good
health is enjoyed by you
all.

Yours very truly
Edward Palmer

Oct 4/80

Blountville Alab
May 15³

Dear Watson

Your Postal card was forwarded from Washington to me - at this place.

I send you three pictures so you can send one to de Candolle, the others to whom soever you think best. - I am afraid to trust my memory for the information required about the pines as so many other things since I left Mexico have occupied my attention had I my Mexican notes might give you the desired information they are packed away at the Smithsonian & I am hear. It will be June when I start for new Mexico on my way to old Mexico then will call and see Dr. Engelmann if he has specimens of the pines of which you require information the sight of them will probably call to memory the information you desire - then will inform you - The bark you speak of has fallen out of its place I think it belong to Red pine or Pino Real

Yours truly

Edward Palmer

Blountville

Blount County
Alabama.

EVERETT HOUSE,

ROOMS ON-
EUROPEAN PLAN,
Without Board,
50c., 75c., \$1.00, \$1.50 per day,
According to Location.

COR. FOURTH AND OLIVE STS.
AMERICAN AND EUROPEAN PLAN.

ROOMS ON
AMERICAN PLAN,
With Board,
\$2.50, \$2.00, \$1.50 per day,
According to Location.

St. Louis, June 24 1883

Dear Watson

called upon Dr.
Engelmann to day found
all had gone to Europe.

Will start in a day or two
for El Paso Texas ~~and~~ Mexico
stopping at Little Rock to
examine some new ^{discovered} prehistoric
remains not far from that
place. As the Mexican col-
lection will all come to the
National Museum, the dried
plants would have to be re-
packed to be sent away for
naming. It is thought best
to turn them over as they ar-
rive to Vasey he will have

to send you a set to name.
Engelmann you will answer the
best I can your questions about
the Mexican Pines. (I) Pinon this is
short bodied tree with low wide
spreading ^{edible fruit} branches they are often desem-
inated over dry hills having the
appearance of a large orchard
(II) White pine grows in the tall mount-
ains is of large, saw log size very
straight fine timber (III) new species
did not find it only in one locality on
each side of a long mountain
pass variously diversified not very
tall (not large wood) but numerous
somewhat slender branches fine
cultivation ^{from high mountains}
(IV) Red pine Pine real + tall straight
tree large size very durable fine
for bridge timber - The bark you
speak of belong to this - I don't
remember anything about it. I think
there was specimens of the woods of these
trees either up stairs with the plant bands
or in the Lecture room cases in working
up the plants there was the large
plants inside of the Lecture room
cases. hope you are all in good
health very truly
Edward Palmer

SUPERIOR LOCATION, PLEASANT SURROUND-
INGS AND REASONABLE RATES.

HAS ALL THE MODERN CONVENIENCES, TELE-
PHONE, GAS, ELECTRIC LIGHT & BELLS.

MORSE HOUSE,

— FORMERLY GRAND CENTRAL, —

By Mrs. S. A. Morse.

Wm. M. Morse, Clerk.

Hot Springs, Ark. Sep 30 1883

Dear Watson

I did not as
you see go to Mexico this
Summer - It was decided
first for me to finish up
certain work begun in this
and other states first and
go to Mexico in the Winter
As I may visit Alabama
on my way to Washington
wil you please inform me
the locality of the mounds
you once spoke to me about
in that state.

Visited this place for the ben-
efit of my Rheumatism. There
is to many sick here which
with the enforced idleness

as stay at this place
compell one to indure some
gave me a distaste for the
place. Leave for Malvern
to open some mounds to
morrow

Have been reasonably suc-
cessful in mound exploration
there is more blanks than
prizes - Financially they are
a failure.

With Kind regards
to all
Remain

Yours truly
Edward Palmer
direct to me at Malvern June
Arkansas

Tuscaloosa Ala

Jan 13-th 1884

Dear Watson

Called at Greensboro
rough Am. saw your brother
spent a very pleasant day
with him. There is no mound
near that place many of them
nearest to it Captain Hall
of Davenport Iowa has opened

The celebrated group of
mounds at Cahage the owner
wishes Prof Smith of the State
University to open them.

Have a number of localities
to visit along the Tombigbee
Alabama and Mobile rivers
also have to examine the

shell heaps of Mobile Harbor.
To morrow start down the
Tombigbee River.

The past ten days has been
very cold nearly to zero
but little snow fell but the
trees were beautifully hung
with ice and the ground
so covered with ice that it
was difficult to walk.

There is some fear that
Congress may fail to make
an appropriation this winter
in which event I shall have
to hunt a new field of
operation. Do you know
a place that I could go to
collect plants and make it
pay. Perry informs me

Wainwright goes to Northern Mexico
unless he goes to some other part.

of Mexico know not what
field will pay to collect plants
combined with a general
collection of other things.

Yours very truly
Edward Palmer

Mobile

Alabama

Prof Sereno Watson
Botanical Garden
Cambridge

Mass.

P.S. Your Brother kindly offers
to assist me in any way he
could but the available knowledge
me so scattered he could not
assist me, his good intentions &
signature

Washington City
Mar 11

Dear Watson

There is a prospect
of my getting off on Saturday next
I go first to visit a small band
of Indians living on the Catawba
River York County South Carolina
Then to finish some work in
Tennessee & Arkansas, after
which to extend work into the
Indian ^{Territory} if circumstances admit
ting it take a journey across the
country to the Little Colorado
River. I am sorry there was
so many duplicates in my plant
sets but they looked so different
that it was thought best to keep
them separate. I should like to

make the sets as desirable to the purchasers and suppose all would be glad of a named list. Your Herbarium has a full set containing ^{notes} often with the plants, notes that might be added to the Catalogue they may be of some importance. My numbers, or native names where retained are worked up and I am willing might also be retained as it will assist me to recognize some plants used as food or medicine by the Indians. of Mexico Not knowing how far the English party have worked up my last Mexican plants. or what progress Prof. Eaton has made in determining the ferns. If you could undertake to arrange that the plants are determined including the live plants sent and those raised from seeds also those Yuccas Agaves Desclarians &c in your

Herbarium Museum. A large Yucca with Capsules & seeds you thought was new it may be one. Engelman wrote me about while in Mexico I will assist in paying the expense as far as my means will admit, it will be advantageous to all if they as far as can be to help pay for it so that my customers may be better satisfied.

Let me know at your earliest convenience if it can be done and what it will cost then can tell if the amount can be spared from my pay.

I shall try and go to the northern States of Mexico next if Prof. Baird is willing as he is desirous for a large collection from there.

In your letter please inform
me if Mr. ~~Chickering~~ of Cambridge
or any one else wrote a book on
food products or any thing of
the kind. I have some re-
collection of some such a book.
Also send me the name of
your gardner

I hope you will be able to dispose
of the remaining sets of plants

Yours very truly

Edward Palmer
National Museum
Washington

D. S. has Prof Gray Returned
is Prof Goodale in Europe

Washington City, May 27

Dear Watson

Arrived here yesterday
Congress has not made the appropriation
yet for the Museum. From present
appearances I shall be continued with
this Museum. However should that not
be the case then will write you at once
as to the future

You sent me your paper containing
the first part of my Mexican plants
Please send me two copies of your paper
which finishes my Mexican collection, a
friend wishes one ~~this~~ I solicit two.

Have not had an opportunity of seeing
Vasey since my return

My Regards to all at Cambridge

Yours very truly
Edward Palmer.

National Museum
Washington City
D. C.

Little Rock, Ark.
June 30

Dear Walton

It may surprise you to find me here. I've come here today in order to take measurements of a grove of mounds. Then go to Natchez to measure another grove of mounds. This work will take about ten days.

Then go to Gulf of Mexico to make a large collection of the attractive forms of life from salt water for the New Orleans Exposition. This will take about three months. After that it is proposed to go to

to go to the Gulf of California
to make a collection of every
thing attainable. Plants will
not be forgotten especially
from the Islands. The great
amount of work ^{to be} done may
prevent me from making a
great many set, will try and
get sufficient for the sea-
ding institutions. To the
New Orleans exposition
will keep me at work for
some months.

It is an unpleasant time to
go to the Gulf of Mexico the
heat so great. It has to be
done. I have the specimens
in time.

The fall and early winter
will be good especially for
many plants in the Gulf of California.
The two copies of your

paper containing my last
Mexican plants was received
for which accept my thanks.

I should I see anything
that may be useful to your
Garden or Herbarium will
send it.

My regards to all
yours truly

Edward Palmer
Key West
Florida.

was a case. I left in one of
your small rooms upstairs a package
of plant boards & straps will you
please put a wrapper round them,
and address Prof S. F. Baird
Smithsonian Institution Washington D.C.
mark
at the bottom - for Edward Palmer

Hope your garden prosper
My regards to all

Yours very truly
Edward Palmer

Prof Sereno Watson
Cambridge
Mass

P.S. what time are the oaks (oak) in bloom in the region about San Diego California. W.P.

Washington City Nov 6

Dear Watson

The beginning of October returned from the Keys of Florida having made a very large collection for New Orleans Exposition of everything to be had from the variable waters surrounding the Keys.

We have been confined to the house by sickness for several days - Am now better

I am desirous of spending the winter in the Gulf of California among some islands. Shall gather the botany as it may be of interest. Have you been suggested

[illegible]

my, the onion

Washington Nov-22

Mr. Nathan

These packages came today, thanks.

I have written you it is found that the roads in hand
are not a hint of making the trip to the full
distance now so that is dropped but changes it at
no distant day to visit them.

Mr. Lingle went from Tucson to the Gulf at which
port did he strike the Gulf of California, it
is fortunate he could go any where without an es-
cort of Soldiers at the time of my visit to that
section he traveled over, you could do no where
without an escort of Soldiers or Citizens.

As to that lot of Mexican plants, I have recd.
as a donation from the ^{to the Herbarium} Mex. Botanical Socy.

Mesa Arizona Jan 20 - 1885

Dear Watson

I have written to Prof Baird
to ascertain if he with any collection from
the locality in Guatemala of which you
wrote, he may write to Dr. Gray regarding
the locality. If profitable collections
can be made there it ^{may be} best to go there -
especially if the Company will assist me
as its a new field and much of interest
may be probably found. Could you give
me a little more information as to the precise
locality and how to get there, and what opera-
tions the Company carry on. Should I go
out there it might be best for me to see

the officers of the Company by self-so
can the more intelligently prepare an outfit
suited to the Collections desired, it is
all probability but little ^{material} can be obtained
in the locality of the Company's grant not
even paper. If you think it will do
for me to see the Company on my return from
this section all right - should there be need of
my communication with the Company at once
please send me its address. Hope to be
in Washington in March. It makes
no difference to me in going to Mexico
or Guatemala, it's the making of a use-
ful collection that I desire.

The maps give a poor idea of the locality.

Yours very truly

Direct - Edward Palmer

Pimo Indian Agency
via Casa Grande

Final County. Arizona

Dr. J. C. Merriam
Palmer

Washington City May 20 - 1885

Dear Watson

I was over to the Agricultural
Dep Yesterday Parry informed me you had re-
turned allow me to congratulate you hope you
was as successful as you deserved. I could not
go out to the Bay as Baird had no available funds
After finishing ~~with~~ the Indians collection of
Southern Arizona, should have gone to Mexico
but my health would not admit of it so re-
turned hear am now better expect to go out
among some Western tribes of Indians in two
weeks to make collections for Baird to be absent
some time. Do you know if Parry has
returned from Europe. where is he

I am interested in introducing the Mexican
edible cactus into Florida, Engelmann called
it Tuna Cardona (an Opuntia) - a tall prower
very distinct from any other I sent ^{to you} seeds so did
Dr. Baroetla of San Luis Potosi Mexico a number
came up from the Dr's seeds these are the Tuna
Cardona the label with them was marked as stated
from the Doctor. The fruit is very fine and will
thrive and be of commercial importance in
Florida could you send me a plant or
two by Express ^{if I remember you had twenty plants} +.

Did you find any
botanical novelties at the Bay - and

Was there any Indians living in communities
that manufactured anything original, any
Indian mounds or caves with human re-
mains. hope you are in good health

Yours very truly

Edward Palmer
Smithsonian Institution

Washington June 15

Dear Watson

I am sorry you have the fever hope you wil soon recover.

As the Indians have broke out against the settlers of Arizona and New Mexico. My plans have to be changed. The long deferred journey to Chihuahua has been decided for me to make as soon as I can get ready. The funds for the trip are limited as Baird have to pay it out of the Smithsonian fund, from previous experience in the like collecting in Mexico I see one half of the cost wil have to be ~~made~~ provided for by myself so I wil have to collect plants, to get my money back. I understand Pringle is in Mexico

please inform me what parts he has visited
and the extent of his intended journey. so I may
not go over his ground - as two collections
might not find sale - For Prof. Baird I
have to visit the Indians in the mountains
and valleys to obtain every thing from them,
not an easy task - not wishing to be idle
will undertake the journey - if plants will help
me out. Hoping your health is better
if possible let me know about pringle at
your earliest convenience.

Live plants from that field is there any sale
for them or for seeds.

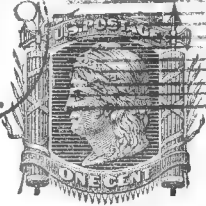
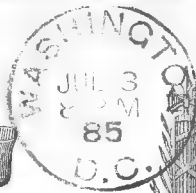
Yours very truly
Edward Palmer

Smithsonian Institution
Washington City
D. C.

Washington July 3

Dear Watson

In a few days a party start for the mining
section of Mexico known as Batopilas, I
will accompany them by invitation. The shepherd
formerly of this place has charge of the mines.
Pringle did not reach there. As you see by the
map its an important botanical locality.
after leaving the R. R. there is a stage ride
of three days then 6 days journey by mule
travel it is rainy season now will try and
return by way of the mountains on Pacific
side Truly Palmer



■NOTHING BUT THE ADDRESS CAN BE PLACED ON THIS SIDE.

Prof Sere no Watson
Botanical Garden
Cambridge
Mass

Washington Feb

Dear Watson

I dont think
my plants wil allow of more ^{than} twelve
sets - As Pringle sets his at eight dollars
per hundred mine wil have to sell for the
same. Though they cost more to collect
the ~~cold~~ locality from which obtained
was so far from the Rail Road and
had not Governor Shepherd rendered
me assistance the plants would
not realize what they cost to get
If the cash outlay is realized that
all that can be done

I wil make up the sets as soon
as its a little warmer the cold sick-
ens me. Am quite indisposed. If
I can and nothing else better offer
may go to Guadalupe Mexico there
are Indians and many plants there
utilized by them in various ways

Do you know of any one desiring
sets of plants.

Yours truly
Edward Palmer
Smithsonian Institution

In sending specimens of plants for investigation it is desirable to have the leaves, flowers, and fruit; and, in the case of bulbous plants, the bulbs, also. When they are sent from a distance it is best to prepare the specimens by drying them under pressure between folds of absorbent paper, otherwise the parts shrink and break so as to be hardly recognizable. When the dried plants are sent they should be protected from breakage in the mail by being inclosed between pieces of stiff pasteboard. Packages weighing less than four pounds can be sent by mail at the rate of one cent per ounce. Write the name of the sender on the outside. In the letter accompanying the specimens state where collected, the date, and any other particulars of the plant, whether reputed poisonous, pestiferous, medicinal, or useful.

UNITED STATES

Department of Agriculture,

DIVISION OF BOTANY,

Washington, D. C., Feb 4, 1885.

Dear Watson

At last the set of plants is ready and sent, you will find in the bundle the catalogue in two divisions, one with numbers the other with letters

Please retain these numbers and letters to the specimens, as the Smithsonian has specimens from many of these plants with the same numbers and letters which can be named from your list after you have identified the plants. The elevations given of localities was determined by a competent engineer with one exception, that is given by myself with my reasons for the same. A specimen of yerba de la Flecha is sent under letter (S) which differs from the kind collected by Poirer in Sonora shown me by Dr. Vasey.

In the catalogue I frequently mention wood openings in the mountain country there are numerous open spots of various.

sizes and shapes surrounded more or less with trees (these wood openings in winter are covered to a considerable depth with snow in spring as they are often a little lower than their surroundings water stand for some time in them as they dry off flowers in great profusion spring up hills are often mentioned in the Catalogue sometimes a section of mountain side or some other part are broken into hills or variable small elevations the plants grown thereon are so noted (Hills)

Some large pictures are inclosed with the plants - they are of the Mountain scenery about Batopilas as you see the mountains come down to the Batopilas River there is no valley - no wagon road all business and travel is by animals the narrow roads are cut out of the mountain sides and the large establishment you see in one of the pictures is Governor Shepherds Mining establishment the spot on which it stand was made by leveling down the mountain side these pictures are sent that you

may obtain a better idea of the home of the plants sent you. These pictures was obtained as a special favour - no others could be obtained or you could keep them. Please return them at your convenience.

A bundle of Ferns is sent that you may send them to either Eaton or Davenport for naming as you will know who is now working up ferns.

Could you inform me of any one wishing sets of my plants.

We have now the coldest and heaviest snow seen for years in Washington. it keeps me indoors and sickens me.

In Texas I collected several forms of Pecan nuts, am gathering Indian food matter together please give me names of different Pecan nuts with locality

Yours truly
Edward Palmer

Washington Feb 27 1886

Dear Watson

It may interest you to know that occasionally along the Patopilas river a Mesquit tree is found none was either in fruit or bloom they appear like those of Arizona - sometimes one is found a short distance from the River up the Cañons. By glances you may detect on the large pictures sent, several species of Cactus among the vegetation, that have the general appearance of the Cactus seen in Arizona

I wish to advertise my sets of plants Will you please send me such a copy of an advertisement as will be suitable to designate my sets - from Pringles - some that have bought his may think mine are the same - You have seen both sets and can tell best about the geographical differences

Please inform me if ^{you} will publish a list of my plants to include any of the notes sent you and your comments thereon - if so could you include the ferns - Shall Vasey send the grass list with his notes there to

Dr. Vasey think it would be best if the whole collection is published

306.05
24.00
282.05

in one paper if you are of the same opinion he will send you his grass notes with list when you desire I will pay the cost of printing

I shall have twelve sets in a day or two can tell how many in the sets Am making up the sets as fast as my health will admit I hope you will find the collection equal to your expectation

Yours very truly

Edward Palmer

Am numbering the plants the same as the set sent you where alphabetical letter are used they are retained as in your set.

so who ever purchase a set will have labels sent with printed list

E. P.

Washington Mar 11
Dear Watson

Thanks for your
kindness in having the labels
printed Dr. Vasey thinks
they will be sufficient -

Labels not yet arrived
I shall send the Kew and
St Petersburg sets to you

Am sorry but the ferns
had all been distributed
in the sets, before your
letter reached me or ~~later~~
should have had a set

Dr. Vasey will send his press
paper to be incorporated

with your list of the
Plants

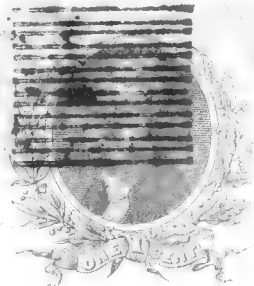
The advertisement
regarding the sets has
been forwarded

I should not have put
the plants into sets untill
all was determined. had
not my health been poor
I work two or three hours
some days then a day or two
cant do nothing - As soon
I can get my affairs in
shape will go somewhere
it will take untill May
I fear to get ready

I am certain that my spelling of Batopilas is correct because its the way it is officially spelt by government officers.

The locality 150 miles north of Batopilas (is the Town of Nogachia), I do not know how far it is from Chihuahua. it may be west of it as you suggest I have no map

Yours truly
Edward Palmer



Nothing but the address to be on this side.

Prof Tereno Watson
Botanical garden
Cambridge Mass

Washington Mar 23

Dear Watson I am desirous to
remove plant seeds as they are
in Vasey's way - send one to
Leal and one to Canby to morrow
To whom shall I send the one
you wished saved for Kew
and St Petersburg
Yours L. Palmer

Washington Mar 27
Dear Watson

In counting over
the labels for the sets we
find a shortage of 330
for Vaseys sets and there
are 450 labels required
for each of the two sets
you wished saved for New
and St Petersburg - Am sorry
to have to ask you to have
these additional 1250 printed
as no one here print so neat a label
If the two sets are to be sent
to Cambridge the labels for them
you can retain sending 350

to Vasey

When you send the printed catalogues will you send also the names of the specimens sent by Dr. Vasey in his bundle a short time since especially the Mulberry as that is used by the Indians

There was also a flower bright Carmine color

Dr. Vasey wishes me to say that he finds in the list of my Grasses

sent you for incorporation with your list of plants two grasses with numbers 21 - He says

change *Chloeris Candidus* to L. 2. these two letters the

doctor took for 22. instead of the seventeenth letter of the Alphabet twice repeated.

please excuse the mistake

In returning the large pictures should you wish a copy of any or all of them I think I can get Prof Baird to have his Photographer make the copies for you

To morrow I will send a package of fern spores it is numbered with Catalogue number - there is another package ^{marked} R. R. seed of one of the pretty plants of the collection - The one

marked. B. as you will see
by the Catalogue is what I
suppose to be *Pectan Abori-*
ginum (Hair brush Cactus)

The palm leaf of the pack-
age need not be returned - only the
name desired as the Indians use
this palm to make mats, hats and
baskets. It grows on the side
and in Ravines that are some-
what secluded in the mountains
12 to 14 feet high not over a foot
diameter - with but few leaves
with short stems found neither
fruit or flowers.

Thought you might like to cultivate
the seeds

Yours very truly
Edward Palmer

Washington Ap 10
Dear Watson

I have been occu-
pied so I did not see Vasey
for some days until late
to day Saturday - packed
up the set for Kew and
sent it by Express to your
address there is no
labels in the packages
will you send the neces-
sary labels with it to Kew

The Smithsonian will
be sending to St Petersburg
within a week so will do
up the set of plants and turn
it over at once I suppose
Dr. Vasey will know the
address if not Telegraph

the address so it will be in
^{times} there is no labels in this set
+ as they may not reach hear
in time could you send the
labels to St Petersburg
I have labels in the other
sets - vasey require some
more (I think 350)

In the Kew set is 434 spec
St Petersburg 430 "

That Cereus - several years
ago on my way to Hermosillo
Sonora Mexico I obtained
from the Papago Indians
some Hair brushes which
they said was from a Cactus

None of the plant was near
where they where in Camp
Dr. Engelmann took out the

seed of one and said they
where widely different from
any other Cactus. He raised
plants I saw them at his
house the third year and
the Dr. told me they where
my hair brush Cactus
his was marked Pectan
aboriginum plants was
sent to the Agricultural
Department thus marked
and you had a plant
the last time I was in
Cambridge your plant
was still alive but the label
gone If now alive you
may recognize it by ^{the} specimen
sent you ^{now} + The dry spiny
parts sent you are the

fruit they had been broken open by either Indians or Animals to get out the seeds

The Indians cut off spines on one side so as to be able to handle it while using it as a hair brush - The one brought back by me this time was at once recognized by Prof. V. T. Mason as the same as the one previously obtained from the Pappagoidians. It is the fruit which is dry - not edible only the seed *C. gigantea* & *C. Thunbergii* are very fleshy fruits -

but having many short spines
 over the surface of the fruit
 which fall off when thorou-
 ghly ripe or easily removed
 while (*Pectan aboriginum*) is
 dry with the spines adhering
 tight, force is required to open
 one the sharp spiny sur-
 face is admirably adapted to
 rake out the coarse hair
 of the Indians. The larger
 number of the plants in the
 Photograph are this *Cereus*
 the others *Thurberi*. intermix-
 ed, having more closely set
 ribs The *Gerba de la fleck*

is a shrub with many stems
about 6 feet high no flowers
new or old could be ob-
tained - the few old seed
pods is all to be had tried
had to get flowers but none

The list is just in time as
I am going over the Indian
collection - Thanks

I think last years work
will cover the outlay in money

The new find^{will be} & the compen-
sation for the time consu-
med.

Thanks to yourself and
Dr. Gray for determining
the collection.

My health is now a

little better the weather
has improved a little.

If nothing offer from the
National Museum within
a few days will go and
make a plant collection
some where - have you
or Dr. Gray any suggestion

It has occurred to me
Guadalupe Mexico
untill winter then a
locality mid way betw-
een San Luis Potosi and
Tampico Mexico for the
winter.

Yours truly
Edward Palmer



Nothing but the address to be on this side.

Prof Sereus Watson
Botanical Garden
Cambridge. Mass

Washington Apr 11

Dear Watson

In my letter omitted to
speak of the palm of which
a leaf was sent you. it grows
in the secluded Cañon of moun-
tains about Batopilas - Pringle
may get it -

Yours
E. Palmer.

Washington May 14
Dear Watson

I expect to start
on the 16th instant for Guadala-
lajara Mexico

When your plant paper is
published please send a few
copies to Dr. Vasey (The one that
will contain my last plant collec-
tion)

As I did not find
among the Photographs re-
turned - the one containing
the hair brush Cactus thought
you might wish it longer
take care of it as on my
return may wish to figure
it with the hair brush.

My best wishes

Yours truly

Edward Palmer.

P. I should the money for the
Key & St Petersburg plants be sent
to you please forward to (Vasey)

Guadalajara Mexico
Aug 11 - 1886
Dear Watson

I am succeeding
as well as could be expected
in this thinly settled and dif-
ficult country to get about
in. The rainy season thou-
gh the only one in which there
are plants - is very difficult
to dry them in - I start to-
morrow to a very good
locality from present
indications a fair col-
lection will be made. the
collection will not be a
financial success - there is
so many expenses - every
time I go out of the City
with an outfit I have to
pay one dollar and twenty
five cents safety tax

It will be October before
I finish and will need
some money to return
on. It would be a great
assistance if you could
send the money for the
two sets of plants that
went to Europe by your
order - if you have recei-
ved it. It takes six weeks
for a letter to reach here
so it will be near time
for me to return when
your answer reaches me.
a draft on New York
sells best here.

Regards to all
Yours truly
Edward Palmer
Guadalajara Mexico

Washington D. C. Dec 9

Dear Watson

Arrived here
yesterday. Collection expected
in a few days - comprising
over seven hundred species
from the peculiar locality
Guadalajara - I think
you and Dr. Gray will be sur-
prized at the mingling
of Tropical and Table land
plants.

I send by mail three things
for you to name for me -
you need not return the
specimens - only - the name
with the letter attached
to them

A. Found in cultivation
at Guadalajara a beautiful
climber grows like the morning
glory profuse bloomer one

of the showiest of China bers
old flowers light nankeen
color the unopened ones red
only seen as I was leaving so
secured this specimen in my
note book - but few seeds ripe
these you can plant.

B - from Guadalajara Market
said to be the fruit of a climbing
plant - much used in making
drinks - as we use lemonade
a shoney fruit. (intertropical)

C - a very useful fruit the
pulp is of a very agreeable
acid sweet is much eaten
(is probably one of the
Passion flowers. intertropical
sold in the market of Gua-
dalajara

very truly

Edward Palmer
Mina

Washington Dec 17

Dear Watson

Because the pencil
Am sick with a bad cold, this
wretched climate. If it was possible
would spend the winter in San
Diego - Guadalupe collection
not yet arrived but expect it
any day when it will be at once
overhauled - And I set out you
for determination provided I can
see to it. - The expenses in money
only for making the collection
is over seven hundred dollars and
it is impossible to get it back out
of the sales of the sets at eight
dollars per hundred. And to raise
the price would probably prevent the
sale

Yours of Dec 13 to hand with check
to settle for Raw + St Petersburg sets
of plants for which accept my thanks
Tronds will satisfactory

Your letter to me that summer
shared the fate of other letters
mexican mails are uncertain.

If you have any copies of published
list of my plants please send me
a few and if Dr Gray has published

Anything regarding the Batopilas
plants please send two copies
as I wish to gather everything re-
lating to the plants of Batopilas
together. Did you save the Cactus
Photograph - was the material
sufficient to finish Engelman's
description.

Thanks for determining the thing
it was sent.

I had hoped Phipple would go
to the higher portions of the Sierra
Madera on the Road to Batopilas
as he thought of doing last Spring
then he might have obtained the
Palm of which I only saw in leaf (this
summer I saw no Palms only
one or two in cultivation.)

Phipple is the youngest for me
to attempt the Sierra Madera trip
would I fear be too much besides
the cost would be more than could
be recovered by the sales of the plants

Prof Bunt is confined to his house
by a severe cold. As soon as he
is out will see if any expedition
or anything in connection with the
Bolshoi celebration is to be attended
the next year - so you see
am looking out - Dr Vasey thought
it might pay to visit the Cascade
mountains (the plants not heretofore
visited) what do you think - or do
you know of any spot in Mexico
better. Should nothing better
offer am thinking of clearing over
some of the old fields previously
gone over by me for instance
Guadalupe Island at the Southern
end at the time of my visit could
not get to it as it was too far to walk
from where I was and had no boat
to reach it - now would it pay to
take Photographs of the Island and
gather the flora & fauna - to thoroughly
examine the Southern end - As I
am convinced the flora differs from
the rest of the Island, it would
be interesting to have pictures of the
Palms - &c. To day write to a friend
at San Diego as to what a boat could
be hired for for the trip, and if a

Photographs in India could be
obtained, to take the pictures and
on what conditions.

The hardships of the previous
visit to the - ~~East~~ - are still fresh
in memory and a second visit
could not be a picknick - but it
does not pay to loaf -

Will you please send a copy
of any paper you or Dr. Doct
have published regarding
the Botanical plants to the
British Museum and to Prof
Barbey of Switzerland who was
sent to them by Dr. Barbey in my
absence

Yours truly
Edward Palmer

probat. Nov. 1886

Jan. 1887

Dear Watson

I have signed
the inclosed so the
last years plants are
settled for - The
guadalupe collection

has not arrived hope
it wil before Dr. Gray
comes as I would like
him to peep in among
the bundles they wil
be opened at Vaseys

H. L. Britton of
Col. Col, forwarded to
day the inclosed list of
numbers to be filled out
but neither Vasey or
myself have a catalogue
embracing those, so
I inclose it to you ho
ping you may be able
to fill it out and forward
to him yours truly
Edward Palmer.

Washington Dec 21

Dear Watson Can you put me on
the track of any book or infor-
mation about the Opuntia -
did Engelman write any thing about
the Opuntia - am going to prepare
^{a paper} upon its uses and distribution
yours Edward Palmer

UNITED STATES
POSTAL CARD

Nothing but the address to be on this side.



Prof Lorenzo Watson
Botanical Garden
Cambridge Mass.

Washington Jan 24 /67

Dear Watson

In going over the collection made last summer find some wooden boxes of jelly nicely made by a party at Guadalajara celebrated for jelly making. Mexican mode (always in wooden boxes) or dried in the cake. It is made from a species of Hawthorn represented in my collection under number 465. I wish you and doctor Gray to pass judgement upon it. The fruit is never quite as large as many crab apples is sweet very productive and a showy ornamental bushy top small tree. fine for cultivation fruit yellow with fine black dots often on one side a red blush - it's the favourite jelly of Mexico fruit found three or four months in the market.

Will send you the set of my plants as soon as they can be got ready.

Yours very truly
Edward Palmer

Washington Feb 4

Dear Watson

I send to day by express a set of my plants that you & Prof. Gray may see what good there is among them. There is a good many loose packages of seeds roots wood &c - they would injure the specimens if left with them.

I have sent you the original Catalogue had intended to have extracted what related to the plants sent you from the grass & ferns but had not time - the locality Catalogues have on the outside - dates the numbers embraced inside - and note regarding the locality.

There is a double sheet mixed entries previously forgotten.

The entries in catalogue checked off are either grass or ferns.

The ferns & grass will be sent you later.

As you sent last years ferns to Prof. Eaton for determination thought it would be best to send him a set for determination direct from hear.

Yours truly

Edward Palmer

13
214
654
104
763

UNITED STATES NATIONAL MUSEUM

UNDER DIRECTION OF

THE SMITHSONIAN INSTITUTION

WASHINGTON

Mar 6

Dear Watson

The color of the plums of 408 was pale yellow generally with slight green cast

There is another species with red fruit which I did not find - The leaves of 408 are shiny stiff & hard -

Dr. Gray's Card came yesterday please say to him within two weeks the Kew set will be in Cambridge hope he can wait before sending the Kew box I have been sick have engaged a person to help me to morrow so will have the sets ready at the earliest moment and the Kew set will be the first sent away

Have twelve sets spoken for do you know if France, Austria or other parties besides those you have written about will want sets, Last years sets left me short a few dollars of

the amount it cost to procure them
And this Collection has cost 800 \$
I do not see how it is to be got out
of the sets unless I charge 10 \$ per
hundred I ought to have something
for use of my time over the outlay
of money please state if in your
opinion it will be advisable to charge
ten dollars per hundred

As soon as the plants are off my ^{hands}
will see Prof Baird as to the future
if he has no funds for work. Do you
think of any place along the Gulf
Coast that may pay to make Collections
in like Manzanillo and Colima back
or San Blas and Country back or
would it be best at Guaymas or
any other spot. I find the vessel Prof
Baird will send to the Gulf of Califor
nia will not start before next winter

Yours truly

Edward Palmer.

Washington Mar 7

Dear Watson

Today find two plants without numbers the original number was sent with your specimens and other numbers was not copied from them so send you a specimen of each numbered so please copy the number & accompanying notes in the respective localities catalogues. As will distribute by those numbers No 901 is from Tiquida and grows in the shade under bushes in deep ravine bloom showy rose pink = 416

= 560 No 900 grows at Rio Blanco and Guadalupe very common in corn fields & along fences and waste places.

Parry write that he has
lately received from Kew
a late copy of *Fomes Plantarum*
in which ~~Notulaena~~ *Palmeri* Baker
is figured pl 1678 being 991
Parry & Palmer of 1878

please say to Dr. Gray
when he goes to Kew if
he would procure me a
copy I should consider it
a great favour

Yours very truly
Edward Palmer

Washington Mar 10

Dear Watson

Because the pencil
The plants are all into sets to my
great satisfaction

As I sent you the original catalogue
and have nothing to refer to I will be best
to send 412 as if I see the plant can tell
all about it - send the leguminous plant
without number - Any thing you don't under-
stand just send by mail and I will give the
desired information if possible and re-
turn at once - state what locality 412
and 539 according to my notes was obtained
at -

I have 19 sets - the last five
will be less than half of the others

I have an order for a set for the Brit-
ish Museum

Would it be best to write to Paris + Berlin
before sending the sets

In a previous letter you said to send
a set to St Petersburg by the Smithsonian
I believe last year you sent the bill for
the set, it went through the Smithsonian
Shall I get Vasey to do so now as I may
be away when the money comes.

I will see Prof Baird in a day or two
Guaymas would be a good base of opera-
tion as you can go by boat to so many

points there are Islands that can be
reached by sail boats - The winter I
spent up the Jackey River gave me an
opportunity on returning to look in at
the numerous oyster bays near the mo-
uth of the river these are studded
with Islands made of oyster shells
piled up by Indians they are vari-
ously covered with vegetation I have
no doubt this would be a good col-
lecting spot the want of water preven-
ted me from gathering anything there
at that time.

Please say to Prof Gray there is no
better material here of 921 than that
sent him.

The new set is forwarded to day by
Express to Dr. Gray there is 1600 specimens
and deducting 44 for duplicates - Dr. Gray can
collect the money when he is to send some
and it is Dr. Gray's. (420 - at 15¢ per hundred)

Please inform me when the labels and
catalogue will be ready as some are
needed for the sets. I hope to send
them within the intervening time in
going out for the next field operation.

In the box forwarded to day is my
presses - and the set of ferns for

Washington June 26

Dear Watson
The color on the inside of the
melon is pure white, soft &
pliable. The half sent you
in the dry state packed out
in wrapping it you will see the
difference from crossed seed-
ling - it has not gone hard &
you will see by throwing the part
sent. I only saw it in real
excitation, but it is quite com-
mon. No one that I saw for
was able to tell if it was native
or introduced.

My brother, Mr. [unclear]
wishes attend his journey to Europe.

We are decided to charge 12 1/2
per hundred for the plants.

Yours truly
John H. [unclear]

Washington March 31

Dear Watson

In the markets and
in stores of Guadalajara Mexico
is sold a seed by the name Chia
grande - said to be native of the
Pacific side, used in making
refreshing drinks for sick people
and prescribed by doctors. In
other localities have found Chia
used for the same purposes - but
they have been always some form
of Chia - but this Chia grande
seem to differ so from other plants
in bloom seeds bear in no sense
with some seeds - The oldest
Mexican writers mention Chia as
used by Indians but I find the
name is not confined to one par-
ticular plant but to those whose
seed are used for a like purpose.

The plants are sent to be in-
cluded in the present collection.

Yours truly

Edward Palmer

Washington D.C.

Dear Watson

Yours of March 10 to hand
we shall look to Messrs. for the
labels - thanks

In your previous letter you did
not say how things about 409
The seed and flowers just
as sent to you was bought in
Guatemala market. The
dried flowers are much used in
forming refreshing drinks was
told the plant is native on
the Pacific side - I have never
seen the plant in flower - but
saw small ones in gardens
like the one I sent you they
look like young cotton plants
from what I was told the grow
erect like cotton plants, some
seed was planted here last year
I will see if any grow if so they
may bloom next year. Then I may
send you a specimen.

Yours very truly
G. Palmer

1895
Washington Apr 16
Dear Wilson

Rheumatism in my right hand compell
me to use pencil - To day had a talk
with Dr. Vasey he says as I do that Eng-
elmann named the hair brush cactus
Pecten Aboriginum that the Depart-
ment raised some plants from the seed
taken out of one of the brushes that they
died the 2 or 3 year at the same time
Engelmann named a series after me
which I collected in Sonora on my way
to Guaymas. I have looked over my
papers hoping to find something from
Engelmann about them but failed.

I have turned over to the Smithsonian
on the set of plants for St. Petersburg
for Dr. Eduw Regel Director Imperial
Bot. Gar. Please forward him the
labels.

Feeling stronger to day went over
to Vasey and with the help of a man
tied up the balance of the sets ready
for shipment when called for - one
set had lost from it, its labels they
were secured to the top - cannot find
them this is a misfortune for I do not
like to give unnecessary trouble this
compels me to ask when you send Vasey

Labels to send 290 more for this set.

In the collection of last year made at Guadalupe was a large number of ears of corn which have been sent to Dr. E. L. Sturtevant his letter of eight pages regarding them is too long to include here besides you may not be interested in corn - but will include the following extract

"With your permission, I shall attempt to grow the sweet corn for future distribution, and shall also distribute a few kernels to other parties. I shall name one of the new corns the San Pedro after the Indian village that grew the corn another the Dr. Palmer and the third the Baird corn. Dr. Sturtevant speaks in the highest terms of the corn find

Yours truly

Edward Palmer

Washington Apr 18

Dear Watson

Many thanks for
the Catalogue we can make
it out 113 new species is more
than I expected. It helps in the
payment balance to know the
collection is of importance.

I have two sets of plants for
Mr. Smith of Baltimore who
desires his labels written out
I sent you the original cata-
logue at the time to sick to copy
it - I can not tell the locality
of the specimens without my
Catalogue - Can you let me have
it for a few days then I will re-
turn it to you. Should you
print a list with localities
shortly that might do. Never the-
less Mr. Smith's hurry.

Yours Truly
G. Palmer

P.T. has pringle started out

Washington Apr 19

Dear Watson

Your Postal Card to hand and in order to comply with your request - set to work to hunt up some notes regarding the trip to Florida during which those two new plants were found of which you want information. These notes are in one of several boxes stored in the Smithsonian storage room. This morning I opened one box and overhauled it but no notes of Florida. I became so sick that the further overhauling of the boxes had to be abandoned. And my memory must supply the best information it can. As to the plant found on Indian ^{River} I think it was in March it is a common plant free bloomer very showy on grassy plains good soil. it was the most attractive plant seen any where about the Indian River section. Why I think this plant was collected in March

is because myself and three others made the journey from Indian River to the Lake Okechobe ~~beginning of~~ middle of January and returned to collect the new bulbous plant I think beginning of March

The new plant found in Biscayan Bay was I think in May - though a rather attractive plant it was sparingly found and only on low grassy bottoms rather close to the beach in sandy loam.

They will be good plants to figure for a magazine. let me know if you want further information

Have commenced to put my plants into sets am a little better am allowed to work 3 or 4 hours a day by my doctor

Saw Doctor Farlow to day he was over to see Dr. Vasey. Hear that Putnam is here but cannot hunt him up

Yours very truly
Edward Palmer
care of Dr. George Vasey

Washington Apr 23

Dear Watson,

Yours of two days since & having
the dates you sent will answer
all ~~the~~ ^{your} ~~proposals~~ ^{proposals}, just as well as my
original Catalogue.

The Attle you wish to know
about is a Mexican Indian
dish prepared from wheat - Corn
grass seed - Sunflower seed
Salsin, Amaranth - & other
nutritious seeds - mixed & saved
of Mexico are as good as the Attle
as the Indians.

Wheat or wheat, is more generally used
if the Attle is to be made and
sold in the Market or to be used
by the better to do people.

The Indians or common people will
take the other seeds as well.

That even seed or grain is used
it must be first coarsely paraded
then finely powdered - water being
brought to a boil the powdered seed
or grain is gradually stirred in with

me hand while the other the
the mixture rapidly when to the
thickness of our ordinary fuel
it is ready to eat and is better if
beaten or pulsed with us
some times sugar is added - some
prefer salt and some powdered
berries to give flavour -

I see you have marked No
one and two *Physalis peruviana*.
In their fresh state they widely differ
No 1 is low compact with abundance
of fruit which are much used in
making jellies & soups - and the
flowers are so small you can scarcely
see them

No 2 is large loose growing very
large flowers quite distinct from
No 1 the fruit not so abundant
and not prized equal with the
other for its edible qualities

Very truly

G. Palmer

Washington May 10

Dear Watson

I start to mor-
row for Guaymas, in the
State of Sonora, Mexico
& expect to stay there as
long as plants are to be had

Towards next winter am
thinking of going to that
part of Mexico between
San Luis Potosi and
Tampico. There is good
Ethnological specimens
to be obtained there besides
botany. best wishes

Yours truly

Edward Palmer

UNITED STATES NATIONAL MUSEUM

UNDER DIRECTION OF

THE SMITHSONIAN INSTITUTION

WASHINGTON

Washington May 11-1887

Dear Watson

Many thanks for the plate of New-
fern inclosed in your letter, that
is all wanted by me.

You need not send my original
notes they would come after my depar-
ture to morrow, so please retain
them so if wanted can be had

Hope Dr. Gray has succeeded in naming
the plants he took to Europe

I should like some day to see Kew
Garden.

Yours truly

Edward Palmer

Have four sets, with vasey, not sold.

We shall need about 100 more labels for St. Pauline
Please: if you can spare an hour will be obliged

Very yours
Geo. Henry

August 1900

1900

Dear Mother

The first of month I thought I should
write you, but I have been so busy
with the school work that I have not
had time to do so.

I am now in the hospital and
am feeling much better. I have
been in the hospital for some time
and I am now feeling much better.
I have been in the hospital for some
time and I am now feeling much better.
I have been in the hospital for some
time and I am now feeling much better.

I am now feeling much better and
am able to go out for a walk.
I am now feeling much better and
am able to go out for a walk.
I am now feeling much better and
am able to go out for a walk.

Guaymas Mexico Jan 10 - 1888

Dear Watson

I have at last completed my task in this locality and shipped the collection about five hundred species - they will be about three weeks getting to Washington since I wrote you before have visited Los Angeles Bay in Lower California though the latter part of November obtained 100 species of plants. This was owing to the summer rains not falling at the usual time from July to September but latter part of October it rained and in November several showers so that at my visit it looked like spring while around Guaymas at the same time vegetation had matured its seed for the most part and was going to rest. I think you will find many novelties I need not invite

you to come and see if I have
gathered up all the species because I
admit that was not done Stramonium
Barria mesoamericana Mesquite &c. was
left behind. It takes so long to do
any thing here so many how backs and
disappointments. If the rains had come
in their regular season then could have
finished by end of October and saved
two hundred dollars. After putting
this collection into sets what place
will pay next to visit - Will it pay
to make a collection at San Andreas
on the Pacific side of Lower California
it is some where between San Diego and
Cape San Lucas - How is the Isotomus
of Tehuantepec for desirable plants
Then there is the Island I think 200 miles
West of Mazatlan it is marked on the
gulf of California maps. Tocora Island
is said to be quite mountainous. This
summer it was surveyed by Engineers who
are told found water on it. The rainy

season commences in July unless
the rainy season is unreliable as it
is in Yucatan and Lower California
there is now no one living on the Island
it is owned by a Mexican land specula-
ting company who promise to have a
Steamer touch at the Island what
do you and Dr. Gray think of any of the
above localities for desirable plants
I am better now than for a long time,
as I start tomorrow for Washington
will soon be in the extreme cold of
winter, that I fear will throw me
back. As Prof. Baird is dead, who his
successor is am not informed if a strain
per he may not be interested in my line of
collections, thus will loose the support
Prof. Baird gave.

Last spring sent you two small plants
in bloom for identification under the name
of Opuntia grande. You said they were too
young and planted them you also said
you planted some of the seed I sent you

have you been able to identify it

I also sent you a specimen consisting of a young plant - some seeds and dried flowers these are used to make cooling drinks in Guadalajara you planted some of the seed you said have you been able to determine the species. The money you have for me please forward to Dr. Vasey

I shall post this letter at the boundary line so it will reach you soon after my arrival in Washington.

Yours very truly

Edward Palmer

Care of

Dr. George Vasey
Department of Agriculture Washington City
U. S.

Washington Feb 6
Dear Watson

In writing to
you the other day I got
to ask you to have
4,000 tickets printed
for the plants. Vasey
thought you could have
them better and cheaper
printed at Cambridge than
they could be done here
you can take what tickets
you desire. send the
balance with the bill to
me, that the price may

be returned to you

Yours very truly
Edward Palmer

To Prof. Lorenzo Watson
Cambridge
Mass

Washington

Feb 2

My dear Watson

I reached

this City 12 days since but have been absent so your letter would have been answered before. The check for the Kew set was inclosed in your letter for which accep my thanks - Dr. Vasey received for me the money for all the other sets except that one sent to Mrs. Petersburg have you herd anything about it.

Could you send me seven or eight copies of your paper containing my Guadalupe plants. &c

So our friend Dr. Gray has departed All wil Miss him but I fear you the most.

I should like you to name my plants if you can do so - I have numbered all the sheets instead of putting in strips of paper with numbers on I wil consult Dr. Vasey when the plants come which may be next week, regarding the best manner of putting up the set to be sent to you so as not to ^{give} you any more trouble than can be helped.

Can you tell anything about Perry

Yours truly

Edward Palmer

Washington March 29-1888

Dear Watson

I have been a long time getting the plants ready to send you - this long cold winter has kept me indoors so much and my health is so indifferent - Two boxes are sent you by express one containing bundles of plants the other packages of seed belonging to the plants also some wood and root specimens of especial interest - The Catalogue is in one of the boxes I would call your attention to a paper with the Catalogue headed Memorandum to Catalogue this points out to you certain especial specimens of note for instance several bundles of Amaranthus unassorted - you will there see my reasons for sending them. . . Dr. Vasey wrote to St Petersburg regarding the pay of last years set but got no response. Do you think St Petersburg - Switzerland - British Museum and Kew wish

sets this year would you advise writing to each of them regarding the matter

do you know of any one who may want a set, Is there any one in Vienna or Paris if written to might order a set.

The Ferns and Grasses for your set will be sent you as soon as they are named

The plants you will find numbered on the sheets

So excessive was the hot winds of Guayaquil last summer though the plants was kept in tight boxes made on purpose of thick timber many are quite brittle and the seed pods though tied with strings burst open or curled under the fastenings. I hope you will find the plants satisfactory.

Yours truly

Edward Palmer.

P.S in the catalogue of plants from the Island of San Pedro Martin 418 you will find a curious berles (Photograph) the best material of it I could bring is sent you

Washington Apr 11- 1888

Dear Watson

Since I forwarded the plants to you have been sick and confined to the house. To day saw Dr. Vasey for a short time he reminded me that tickets for my plants had ^{not} been provided for and suggested to ask you to have 10,000 printed. The catalogues will tell about how many species in each locality you can tell about how many tickets will be necess

any for each of the three localities. I shall make fourteen sets including your and Vasey's sets - Take out tickets for your set the ^{you} grasses will be sent ^{soon}.

The money has arrived from St Petersburg for last year's plants but owing to want of funds they will not be able to take a set this year. Sickness has put me behind but hope to commence tomorrow putting plants into sets, have found a person to help me so will finish quickly. As I am advised to leave Washington for a dry mountainous

country - To select a place of that kind containing a botany that will pay to collect is what now demands my attention. What locality would you suggest.

In my previous letter ~~sent~~ to you did I ask your opinion about sending a set of plants to Switzerland, Kew and the British Museum with out writing to them previous.

Is there any one in Paris or Austria that might take a set if written to

Yours truly

Edward Palmer
Care of Dr. George Vasey
Department Agriculture

Washington April 25 1888

Dear Watson

I am sorry to say there is no better specimen or a good seed pod. You have the best complete specimen I had of number 598

There may be a mistake in the set sent you. I find by the Catalogue there is two numbered 311 - The correct one is a Palm 311 The other should be 311½ with the following entry, found on an Island in the harbour of Guaymas and on ~~a~~ level moist places among the mountains - eaten as greens

When you have determined the plants please send list of names with the ~~Labels~~ Tickets.

I have been fortunate in having a competent assistant to put my plants into sets they are completed and ready for sale I am advised to leave this

city as soon as possible and go to a
dry mountain country. I am now look-
ing for that locality one that wil
botanically pay if I can find it.

Am now some better

Yours truly

Edward Palmer

San Diego August 26

My Dear Watson

Yours of Aug 2 was forwarded to me from San Bernardino as I was going with a party on a trip to Catalina Island. so I wrote to Green on my return yesterday stating that in accordance with an agreement between myself and you and Dr. Gray all the plants collected in Mexico by me should be determined at Cambridge and that I should expect that agreement to be complied with. This Green understood previously - it is possible your informant is mistaken as to Green naming some of the Guaymas plants. (maybe he has commented on some of the Guadalupe plants as I am so informed) I cannot think Green would have the audacity to name the Guaymas

plants after knowing my wish to the
contrary. My health is some better.
It is gratifying to know that the Graymas
plants yielded new and interesting specimens.
Though to me a financial loss if mankind
derive a benefit that is a compensation.

What do you think of Soloma or
San Blas Mexico for winter work have
the plants of the former place been much
gathered it is a little inland from the
Gulf of California the map shows mount-
ains near it - Kantus was Consul there
he gathered birds &c I am not certain about
~~plants~~ - As I have not visited Guatemala
it has occurred to me it might be best
to go to Soloma or San Blas especially the
former place before going to Guatemala
but am at a loss to decide which will be
the most likely to pay financially or in
new and desirable plants

Dr. Vasey says next season he may have
some work in California.
San Diego. Cal.

Yours truly
Edward Palmer



NOTHING BUT THE ADDRESS TO BE ON THIS SIDE.

Prof Sereno. Watson
Botanical Garden
Cambridge Mass.

San Diego Cal. Oct 4

Dear Watson

Start to morrow
for the mouth of the
Colorado River to get
some special plants
for Vasey yours

E. Palmer

San Diego Nov 11 - 1888

Dear Watson

There are many palm trees in the gardens here, in 1875 when I went first among the palm this section had no one in cultivation.

When looking over memoranda noticed that flowers of the Guadalupe palm was wanted, there is sent to your address to day by mail a package containing flowers of that palm taken from a plant raised from seed brought by me from the Island of Guadalupe 1875 the plant is now about 8 feet high to top of leaf about three feet of body with several bunches of seed in various stages of ripening they reach to the ground, there is one spike of flowers from which the specimens sent you was obtained if you desire more material of this palm let me know - it is fine for cultivation There is two palms grown near which

was raised from seeds or plants procured from lower California one with a bluish leaf which prove to be a very slow grower the other near is large with great leaves with coarse spiny edges and along the leaf stalks is many patches of woolly substance out there is no filaments on the leaves like the desert palm which produce that very small black seed. As soon as vegetation is in good condition I can go to lower California to get any material that is wanted to fully determine these palms - let me know what is wanted.

am slowly mending - only two slight rains have fallen this winter it's as fine as May.

did not succeed at the Colorado river owing to the sickness of the only man that could pilot me. But I return in a few days and go with an excursion party on a steamer from Yuma to the interesting points about the head of the Gulf of California. this is better for me as there will be less exposure and a journey

by land of 70 to 80 miles in a team will thus be obviated.

Since writing to Prof. Green regarding the Guaymas plants he has not written he may be offended.

I fear it will be so late in the winter that in my turning from Yuma it will not pay to go to Colima until next rainy season. As Vasey may wish me to do some work for him latter part of winter and spring.

I see Cleveland often he is in fair health Drutt is not doing much he has made a trip into Lower California this summer have heard of no other - He has no money and is bound up with the publishing of three or four papers.

He is trying to establish an immense museum in San Diego. The other night he called a meeting of the friends of science to convene at his office the notice did not reach me in time to be there but to day Sam Cleveland he says himself and Drutt were the only ones there - so the proposed museum on a scale greater than the

National Museum is a failure

Yours very truly

Edward Palmer

P.S. To Pringle back what results.

YUMA, A. T.

The great health resort of the United States. The only place where consumptive people get cured. The air is pure, dry, invigorating and health restoring; the winter is mild and temperate. No expense will be spared by the Proprietor to make this a first-class hotel. Rates reasonable. Special rates made by the month. All trains of the Southern Pacific Railroad stop here thirty minutes for meals.

Southern Pacific Hotel,

Sinacchia & Houlbert, Proprietors.

Yuma, A. T. Apr. 23 1889

Dear Watson

Yours of March 19th was handed to me by Friend Cleveland the day before I started for this place. I have been absent to Lagoon Head, Cedros.

San Benito and Guadalupe Islands and on my return to San Diego had to hasten the drying the plants and shipped them to Vasey before calling on Cleveland - Then I came here to go to the head of the Gulf so as to get some special plants desired by Vasey.

My health is not satisfactory.

Suppose you received the Palm flowers sent you by mail sometime since.

Thanks for the copies of your report on the Guaymas Plants as to no 179 of the Guaymas collection I remember it and am of the opinion that it blooms late in the winter I do not remember of any one that it would be of any use to

write too If I was there to take the person to the tree show him just what to cut off—when in bloom or in fruit fix the paper, and paste boards, explain how to put in the pieces of plants, then draw in place the necessary strings, arrange the address put on the postage stamps. After this, in due time you would get what you desire. The Consul is one of the best of men but don't know plants, but if any one would call on him and desired assistance he would do all in his power.

That Guaymas Palm bloom latter part of winter I think

I will keep in mind your desires regarding the Palms

Should the opportunity offer may go to Guaymas to visit localities near by then will be in order the plants you desire.

I will return to San Diego after finishing here: please inform me where Tringle is working this year as I wish to select a field not visited

Yours truly

Edward Palmer.

Guaymas Mexico Jan 11 - 1890

Dear Watson

Arrived here two days since. To day send by mail a package of Cuttings with the ends covered with wax they are simply wrapped in paper to keep from drying, thought that better than wrap it will be about a week reaching you hope they will grow. These Cuttings are your *Portlandia Pterosperma*. of my former Guaymas collection I consider this plant worth cultivation so send you the Cuttings to try.

Have visited the tree 179 of which you desire flowers - there is not yet even buds to be seen Am informed it bloom in March if possible will stay long enough to get the flowers - have found a few old fruit

Washingtonia Sonora - have not had time to visit it in the native canon but there are two trees in gardens they yet show no signs of blooming they may later

647 *Cryptocarpus capitatus* (is just showing buds)

I am hear-on Vasey's account to get winter material - An unusual amount of rain has fallen this winter followed by extreme ^{cold} north wind drying up most of the scanty vegetation at this season. The length of my stay here depends upon the time Dr. Vasey orders me to Arizona for special work.

Have selected several places to visit that could not be reached when here before. but am not certain about being able to carry out my plans the cool winter braces me up - Am afraid as the heat increases my strength will fail (only weigh 120)

Mr. Brandegee came on the Steamer from San Francisco as far as Magdalena Bay he will collect from that place towards the Gulf ending at La Paz

Hope you are in good health
Yours truly

Edward Palmer

Care of United States Consul
Guaymas
Sonora
Mexico

The package sent is
directed to yourself
the director of the
Botanical Garden
Cambridge

Guaymas Feb 8-1890

Dear Watson

I returned to this place to day from La Paz not much to be had at that place in winter but ~~it is~~ some of it is different from the summer vegetation found some good things, A palm I take to be the Guaymas one (you say new) gathered some good flowering specimens with leaves and two young plants that show character - shall send the collection to Vasey as soon as Catalogued will ask him to send you some Palm flowering specimens &c

I send by mail in a box the old fruit of 179 that you desire will look out for the flowers. Send more cuttings like those previously sent but wrapped in the moss and old silk you sent hope they will grow.

Am now arranging to visit some islands in the Gulf for fear that as the summer heat of this hot hole come

2450
2282
2252
2240

156

410
85
245

44 = 2

2711
3157
444

442
921
79

Along will have to quit - for already begin to
feel its effects - for my strength is not what
it should be to do that work - do not say and
finish now what is to be done here ~~and~~.
In the package of cuttings sent you do
not find some small plants from the
day found under her in the sand not
far from the sea beach. I analysed the
cuttings just as taken off and in the damp moss
have some of silk left for future use fearing
the other cuttings might not grow and there.
The jungle met with good success
last year.
Hope you are in good health
Yours very truly
Edward Palmer

Guaymas Mexico April 20, 1890

Dear Watson

Since You heard from me last I have made a collection at Santa Rosalia Lower California and at Alamos Sonora Mexico. Am of the opinion there are several new plants - I send a package by mail of plant that grow under shelving rocks up in the mountains of Alamos directed to you - Tomorrow start for the Huachuca mountains Arizona. Have arranged with a man to have some seeds dried for me of 179 Guaymas collection of 1887 - did my former letter notify you of collecting flowering ~~flowering~~ specimens of the same - As I am to day not sure of my future address, will you address me a note in care of Dr. Vasey informing me if Pringle will go this season to Colima did the cuttings grow which was sent last.

I dread the intense summer heat
which will soon be on hand - Now
that I am not strong the heat which
is excessive in this section and Arizona
will me quickly, thus I am trying to get
all done possible before the heat is
excessive

Yours very truly
Edward Palmer

Fort Huachuca May 13-1890

Dear Watson

It is gratifying to know those cuttings are growing and the Palm flowers help to make a good species of the new Washingtonia - of the (179) before leaving Guaymas arranged with a gentleman who has a large tree of it in his garden to dry me some fruit when ripe.

Wil stay here a few days for medical treatment - my movements will be governed by the result. It had been my desire to finish a little work in Arizona then complete some in Lower California and cross over to Colima as now you seem to think it doubtful about Pringle going there but my ability to do & remain to be seen and is all that will prevent this being done. Yours truly
Edward Palmer.

Washington June 15

Dear Watson

The other day Mr. Rose sent you some seeds - one package was omitted - this by his request is inclosed *Portulaca pilosa* L. Perennial, showy for hanging baskets grows among shaded rocks. I suppose Mr. Rose has written you regarding my last collection, he has commenced to determine them and would like to have me return to Mexico Dr. Vasey is willing as soon as he returns will see if the Secretary can be persuaded to send me out again. Am not stony only with the greatest cane can work, will try one more trip then give up, that stonier ones may try their luck.

Hope some day to visit Cambridge to hunt up information among the Museums and Libraries also to see friends of past days. Where does Tringle go this summer

Will you suggest a field in Mexico likely
to yield good results. How would the
Isthmus of Darien do. but suppose
mountains preferable to plains at best
that is my experience Am informed
that Darien is mountainous with plains

Yours very truly

Edward Palmer.
care of Dr. George Vasey

Palmer.

Washington July 3
Dear Watson

Dr. Vasey returned
two days since, he informed
me that you had asked for
information about a new corn

The year that I spent at
Guadalajara collected three new
kinds of corn which was sent
to Dr. Sturtevant at Geneva
N. Y. descriptions was published
in his Report of the Experimental
Station - If you wish to write
Dr. L. Sturtevant about these
new corns address him at
South Framingham, Mass.

Much obliged for the compli-
ments in your letter, wish it was
possible to stay at home for

I am not in condition to work satisfactorily to myself

Mr. Rose says if you have franks you may send those two bundles of my Arizona plants 1876 to the Department

Will take your advice not go to the Solthmus. Soon Dr. Vasey will see the secretary about my returning to Mexico to the mountain region of the state of Sinaloa. Am not aware of any collecting having been done in that state

Hoping you are good health

Remain yours truly

Edward Palmer

Guaymas, Mexico Dec 1, 1891

Prof Sereno Watson

Dear Sir

I have spent some time in the State of Sinaloa collected about 250 species during a very dry season. I came to this place to ship them to Washington. Some good things are among them, you will remember of my sending you leaves of a palm from Batapiles without fruit. I have found the same palm this summer with fruit its about 8 foot high small top good size fruit good for cultivation, before this reaches you I will leave for Tepic to spend the winter going by Steam to San Blas then by Stage to Tepic it

will be a new field for me and
I anticipate a good haul after
which I go to Colesma again to
visit the mountains during the
next rainy season. This is written
so you can inform Tringle of
my intentions as it would not
pay for us to work in the same pl-
aces, though it would give me
much pleasure to meet him
we have never met. My health
is anything but good in all proba-
bility will not make many more
collections.

Hoping you are in good
health

Remain yours Sincerely
Edward Palmer.

Your herbarium the fern
specimens will be sent as soon
as received from Baton
The vases has labeled your grasses

Yours truly

C. Palmer

about 1896
L. L. Palmer

Prof Watson would
you have 12 tickets
printed for me After you have
looked over the localities of the
catalogues you can then have
a ticket printed as in your judge-
ment is best suited

Yours
E. Palmer

P.S. Has any one at Cambridge or else
where with in a few years published
a book relating to food plants on
any thing relating to food - what
book was it Chickering published

Washington Feb 12

Dear Watson

Am busy cleaning
and mending pots Baird is
satisfied with the collection
made And desires to continue
me in the field provided he
gets his appropriation will
Return to finish in Tennessee
and Arkansaw may leave
in March if no frost

Many thanks for the check
As Hooker had ~~the~~ the
fixing the price for his set
he can not complain so
never mind And if you hear

of any dissatisfaction from those who have purchased the other sets let me know what I ought to refund to them and it shall be done

As to the Remaining three sets it would be a great favour if you would dispose of them in any manner and at prices you think fair and just — because I cannot stop to attend to it as Prof Baird wants me off at the earliest possible day

I went over to Smith's garden and saw the Agaves you asked about in your

letter. It was found by me about 15 miles from Monterey Mexico growing on the face of a mountain. Climbed up pulled out the plants letting them slide down. they grew a few hundred yards from the Agave Victoria Regia which grew in a gravel bank — There was neither flower nor pods on this smooth leaved Agave when I collected it — plants was sent to Engelmann I told him I thought it ^{was} new he wrote you had it among your old Agaves. he is certainly mistaken

Edward Palmer
Hort. Camb. Mass.
17 Nov 1892 R. T. Ye

It is a good acquisition
for cultivation it is
called by the Mexican
people Amole de basta
The females that came from
Spain to Mexico among the
first settlers bruised the
root of this plant and ~~and~~
rubbed their cheeks with it
causing a surface irritation
and a delicate redness a
fashionable mark of beauty
Hope you grew the seed of that
new plant with blue flowers
some what like forget me not
Yours Edward Palmer
National Museum
Washington

Washington Feb 14 - 1888

Dear Watson

While waiting the arrival of my boxes have been straightening up what was left undone last year

Please find inclosed a paper marked K K South Western Chipmunk collection if you can find the name mark it on the paper and return

Guadilajara Collection, Can you give me any name for 409 common name Jamaica do not find it in your list. you wrote last year you had planted the seeds (sent dried flowers sold in market) to make cooling drinks these flowers & seeds with young plants was all to be had at Tiquela - I said to be a Pacific coast plant. you can refer to my rough note you have ^{them} 702 called Chia grande from Pacific coast

the seeds sold in the markets ^{Guadilajara} to form cooling drinks - seeds only sent under no 702 but you planted them - they were black - at the same time two plants in bloom raised here was sent you so you could plant them Can you give any name. Under letter J

And J. will be found so marked two
dried fruit with price of plant - these
fruit are sold in great numbers in the markets
of Guadalupe ^{where these fruit was obtained} & I did not find the plant either
in fruit or bloom - the flowers are dried and
sold in the market for medicine are
large of white color. The plant sent was found
growing on trees and up walls could not
find out the coloured fruit it bore
was told the plant of both fruits are alike
growing and clinging to and over garden ^{tree} walls,
It is yellow outside and white inside with numer-
ous black seeds

J. has crimson fruit outside magenta inside
the pulp of this fruit resemble raspberry jam
Can you tell me the name

Am confined to the house with my old
enemy (Fever and Ague) Just heard that
my boxes arrived yesterday

Yours truly
d Palmer

ANNOTATION LABEL
BOTANICAL MUSEUM OF HARVARD UNIVERSITY

Palmer

from: (Phyllocactus ---?)
Cactaceae

in the "Fruit and Seed Collection"
GH

Robert Bye Feb. 14, 1888

Aug. 1894

And J. will be found so marked two
dried fruit with piece of plant - these
fruit are sold in great numbers in the Markets
of Guadalupe ^{where these fruit was obtained} & I did not find the plant either
in fruit or bloom - the flowers are dried and
sold in the market for medicine are
large of white color. The plant sent was found
growing on trees and up walls could not
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Yours truly
Edward Palmer

San Bernardino
Feb. 2.nd 1874

Prof Watson

My Dear Sir

Send two pictures
by mail for your Herbarium
one a fine Shawee a branch in
bloom - the other is the ancient
grape vine of the old Mission
of Santa Barbara - which is
now dead and to be sent to the
centennial.

I have failed to procure any
map or further information
regarding Guadalupe Island

Will it be possible to procure
twenty copies of your article
upon the Guadalupe Island
plants as I wish to distribute
some among the owners of

the Island, who are much pleased with the idea of growing a valuable goat pasture that furnish new matter for scientific investigation.

Received your last letter take your time with the California plants.

Palm 64 Tintillas has large seeds is no doubt of the same genus with the Guadalupe Palm - 65 with black seed you say the leaf is "like that we have growing here from Southern California". Your B.G. plants was grown from seeds collected by me some few years since but must be different from 65 as it has edible fruit is a tall naked body tree while the S. Cal one is a dwarf form fruit very

small some seed is sent to compare with 65 I shall visit the palm section near this place soon to get section of wood for a Sep then the Dr. Parry & myself will see what further material can be obtained -

The young fruit is the same as 64

The fruit has not arrived from Guadalupe Island as no boat will go over before spring have arranged for a quantity of fruit

Parry and myself are studying up plans for future work -

Very truly

Edward Palmer

Regards to all the gentlemen

The B.G. palms referred to are since dead -
S.W. May '90

the base of an uncut oak 40 inches
none of the old leaves was
shed, the stem was entirely
hid by them - the trees seem to
acquire their size rapidly at
base while the rest of the tree
that is the young one, gradually taper
upwards as they become of
age are more evenly sized.

In the group visited 5 young
one of nearly the same age &c
was seen and 6 full grown trees
some 35 feet high these averaged
75 inches in circumference at
base but every one was shorn
of their leaves by fire leaving
black naked stems - it is
seldom these trees are found in
exposed localities preferring the
upper end and sheltered portions
of cañons among rocks.

growing in secluded cañons
may have accounted for their
being so long unknown. early

San Bernardino
Feb 26/76

My Dear Watson

As I expect to start
for Arizona in two days and
as some other facts have come
to hand about the Desert Palm
thought it best to forward them
and explain all I know.

Some five years since while
traveling by stage from Arizona
to this place the stage stopped
at a place called Dos Palos or
the two palms for dinner there
was the two trees from which
the seeds were gathered that fur-
nished the plants in your green-
house those in Washington
and I think some of the seeds
was sent to Kew Garden.

Some seeds was sent to J. E. Johnson of St George Southern Utah they grew nicely and stand out of doors in that climate. As I shall pass by the trees from which the seeds was collected on my way out to Arizona will try and get blooms and full notes of the same ^{especially} to see if its leaf stem is with out spines. The Indians of this section use quantities of this fruit ground into meal and eaten as our people do raspberries Coconut during the recent visit to an Indian Camp procured a bag of seeds which is sent by mail to Mr. Sargents address please explain to him the kind of palm Have also sent you a small box of the seeds two of which had sprouted several have the epidermas on

on my way out will find out if the outer pulp is edible - and black when ripe like 65

During the recent trip all the Palms seen had serrated petioles Procured the oldest leaf green it must be several years old and ~~each~~ bit the fact that the serrations change some by age as will be seen by a young leaf which is sent a piece of the wood with the above leaves is inclosed in a box of things to the Smithsonian - have requested they be forwarded to you on arrival in Washington - The tree from which the leaves was taken perhaps 17 years old - Circumference at base 56 inches Length of petiole 56 inches length of leaf 50 inches length of tree

travelers noticing them at a few spots noted as camping places named them Lone Palm Dos Palms Tress Palms only these trees seen and at camping places led many to suppose that the Priests had planted the seeds while crossing the deserts to form missions among Indians - this is not so as many groups have been found but the rough approach to their hidden place of growth prevents many from visiting them May 65 and the Desert Palm may be alike this you will be able to determine before long as many of the trees will be visited soon by me or Perry there are several young trees grown in gardens of this place all with serrated Petioles Near dos Palms is a grove of many palms which I will try and visit in June on my way back from Arizona and across

if ~~is~~ the serrated petiole is general
on the reversed some times ~~these~~

Possibly next June may go
again to Lower California
if so will clear up the palm
question in that section

In a previous letter you
spoke of finding a seed
branch sewed up in cloaths
which you thought at first
was a palm it was a *Sasylirion*
the leaves and flower
if I am not mistaken Mr.
Cleveland previously sent

Have written to other Parties to
have them furnish you with
information regarding Palms

Regards to all

Yours truly

Edward Palmer

Phoenix Arizona
March 4th 1876

Dear Prof Watson

Passing Los Palms
noticed distinctly every leaf had
spines on the leaf stem the
older ones had the largest you
say your plant in the green
house raised from seed taken
from these trees has no spines
on there was no signs of bloom
nor could I learn from those
living there the time it did
bloom the trees are some 20
feet high and all the stems are
covered with older new leaves
no signs of naked stem if that
condition is evidence of age then
these prominent land marks
are not old, Ascertained that

Reber
Chenille
Clement

the pulp of the seed was not only black but very sweet and good to eat. I agree with you this species seem like the small black seeded one of Lower California. On my way back will try and examine a grove of Palms for blooms and to see at what age young plants commence to show spines. Last year the seeds from the celebrated dos palmas was gathered and sold to a nurseryman of San Francisco for 90 dollars coin.

Chremberg is on the Colorado river as but little rain has fallen this winter there is yet no spring plants. a more dreary desolate spot was never seen by human eyes. all over arizon spring is backward shall remain here for

a short ^{time} to ascertain from parties the condition of vegetation at different places so as to be able to move to the best advantage. I will not do to waste time here for the cheapest board and room to be had is two dollars per day in coin. all over the Territory of Arizona its the same price

Communications had better be sent to San Bernardino and Perry will forward them to suit my movements.

Very truly
Regards to all

Yours
Edward Palmer